

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) An apparatus for recording program information comprising:
 - a program information obtaining device for obtaining program information including at least program names, broadcast start times, program lengths or program end times, and broadcast channels of a plurality of programs;
 - a program guide providing device for providing a program guide to a user on the basis of the obtained program information;
 - a storing device for storing at least the broadcast start time, the program length or the broadcast end time, and the broadcast channel with regard to a program selected by the user on the basis of the provided program guide;
 - a reception contents recording device for receiving the broadcast channel of the selected program in a period within the program length after the broadcast start time, or in a period by the broadcast end time from said broadcast start time, and recording the reception contents;
 - a newest program information obtaining device for newly obtaining the program information with regard to the selected program in a period while the reception contents are recorded; and

a program information recording device for recording the newly obtained program information; and

a displaying device for displaying, to the user, the newly obtained program information and a change mark indicating the newest program information which was not included in the programming information selected by the user.

2. (currently amended) An apparatus according to the claim 1, wherein the reception contents recording device receives the broadcast channel of the selected program and records the reception contents in accordance with a changed program length or a changed the broadcast end time if the program length of the broadcast time or the broadcast end time included in said newly obtained program information by said newest program information obtaining device is changed against the program length of the broadcast time or the broadcast end time included in said obtained program information by said program information obtaining device.

3. (original) An apparatus according to the claim 1, wherein the apparatus further comprising a reception contents providing device for providing reception contents of the program recorded by said reception contents recording device to the user on the basis of the program information recorded by the program information recording device.

4. (original) An apparatus according to the claim 1, wherein said newest program contents information obtaining device periodically obtains the program information in regard to

the selected program in addition to the period for recording the reception contents by said reception contents recording device.

5. (currently amended) A method of recording program information, comprising the processes of:

obtaining program information including at least names, broadcast start times, program lengths or program end times, and broadcast channels of a plurality of programs; providing a program guide to a user on the basis of the obtained program information; storing at least the broadcast start time, the program length or the broadcast end time, and the broadcast channel with regard program to a program selected by the user on the basis of the provided program guide;

receiving the broadcast channel of the selected program in a period within the program length after the broadcast start time, or in a period by the broadcast end time from said broadcast start time, and recording the reception contents;

newly obtaining the program information with regard to the selected program in a period while the reception contents are recorded; and

recording the newly obtained program information; and
displaying, to the user, the newly obtained program information and a change mark
indicating the newest program information which was not included in the programming
information selected by the user.

6. (original) A method according to the claim 5, wherein the process of recording reception contents receives the broadcast channel of the selected program and records the reception contents in accordance with a changed program length or a changed the broadcast end time if the program length of the broadcast time or the broadcast end time included in said newly obtained program information by the process of obtaining said newest program information is changed against the program length of the broadcast time or the broadcast end time included in said obtained program information by the process of obtaining said program information.

7. (original) A method according to the claim 5, wherein the method further comprising the process of providing a reception contents of the program recorded by said process of recording the reception contents to the user on the basis of the program information recorded by the process of recording the program information.

8. (original) A method according to the claim 5, wherein said process of obtaining newest program contents information periodically obtains newest program contents information in regard to the selected program in addition to the period for recording the reception contents by said process of recording the reception contents.

9. (new) The apparatus according to claim 1,
wherein the reception contents recording device receives the broadcast channel of the selected program and records the reception contents in accordance with a changed program

length or a changed broadcast end time when the program length of the broadcast time or the broadcast end time, included in said newly obtained program information, is changed as compared against the program length of the broadcast time or the broadcast end time included in said obtained program information by said program information obtaining device, and

wherein the reception contents recording device receives the broadcast channel of the selected program and records the reception contents, in accordance with the changed program length or the changed broadcast end time, when the reception contents recording device has free space for recording the newly obtained program.

10. (new) The method according to the claim 5, further comprising:

receiving the broadcast channel of the selected program and recording the reception contents in accordance with a changed program length or a changed broadcast end time when the program length of the broadcast time or the broadcast end time, included in said newly obtained program information, is changed as compared against the program length of the broadcast time or the broadcast end time included in said obtained program information, and

wherein receipt of the broadcast channel of the selected program and recording of the reception contents, in accordance with the changed program length or the changed broadcast end time, is performed when there is free space for recording the newly obtained program.

11. (new) The apparatus according to claim 9, wherein the reception contents recording device receives the broadcast channel of the selected program and records the reception contents,

Amendment under 37 C.F.R. § 1.111
U.S. Application No. 09/735,517

in accordance with the changed program length or the changed broadcast end time, when the reception contents recording device has free space for recording the newly obtained program, and a broadcast time band of another program which is programmed for recording does not overlap with the changed program length.

12. (new) The apparatus according to claim 9, wherein the reception contents recording device receives the broadcast channel of the selected program and records the reception contents, in accordance with the changed program length or the changed broadcast end time, when the reception contents recording device has free space for recording the newly obtained program, and

wherein, when a broadcast time band of another program which is programmed for recording overlaps with the changed program length, the reception contents recording device only records the newly obtained program in a time band that does not overlap the broadcast time band of the another program.

13. (new) The method according to claim 10, wherein receipt of the broadcast channel of the selected program and recording of the reception contents, in accordance with the changed program length or the changed broadcast end time, is performed when there is free space for recording the newly obtained program, and a broadcast time band of another program which is programmed for recording does not overlap with the changed program length.

Amendment under 37 C.F.R. § 1.111
U.S. Application No. 09/735,517

14. (new) The method according to claim 10, wherein receipt of the broadcast channel of the selected program and recording of the reception contents, in accordance with the changed program length or the changed broadcast end time, is performed when there is free space for recording the newly obtained program, and

wherein, when a broadcast time band of another program which is programmed for recording overlaps with the changed program length, recording of the newly obtained program is only performed in a time band that does not overlap the broadcast time band of the another program.